



## **Meeting Minutes, AMS-02 Project Tag-up October 16, 2006**

### **Attendees:**

Trent Martin (NASA/JSC/EA), Mike Fohey (ESCG), Tim Urban (ESCG), Leland Hill (ESCG), John Heilig (ESCG), Mike Capell (MIT), John Stanford (NASA/JSC/NT), Bruce Sommer (ESCG), Craig Clark (ESCG), Jack Keifenheim (NASA/KSC), Bob Miley (OZ/USA), Jim Nugent (SAIC), Ryan Lawrence (NA/MHC) Richard McMahon (Scientific Magnetics)

### **AGENDA:**

#### **Open Paper Management Tool**

The tag-up was dedicated to the review of the Open Paper Management Tool.

05-022: Cryosystem Component Testing – SM to provide information to C. Tutt by the October TIM

05-054: Leak Before Burst Analysis – L. Hill has requested the test plan and wall thickness from J. Van Es. As yet there no response. Leland to pulse Johannes again.

05-068: Tracker Radiator Integration Jig – R. Harold has the model. Design approval is pending model review.

05-069: Thermal Tubing Support Beam – R. Harold attended meeting on design while at SM. The design is still being finalized.

05-074: CGSE Support at Pad – Due Date changed to 11/15/2006 (after KSC AMS Cryo TIM).

05-080: Pilot Valve Vacuum Vessel Installation – Roll this action into 05-069. Will be discussed in splinter meeting at the Oct TIM.

05-096: Removal of Nominal Landing Requirements – SVP has been updated. This action can be closed after CCB on Oct 31.

05-101: Vent Pump Issue – Recommended pump (Alcatel) is being investigated. Power issues are being worked by T. Urban. ESCG is working action items relative to the pump.



AMS\_02-CDR-06: AMS-CDR-1-17: Meteoroid/Orbital Debris Shielding – T. Martin talked with E. Christiansen to request support. Action to ESCG responsible engineer(s) to get with D. Lear regarding model input scripts.

AMS\_02-CDR-08: Shear Analysis of Items in Enlarged Holes – B. Sommer has exchanged a series of e-mails with the initiator (B. Ritter). There has been no response to the last e-mail. T. Martin to pulse B. Ritter for closure.

AMS\_02-PDS\_CDR-06, AMS\_02-PDS\_CDR-08, and AMS\_02-PDS\_CDR-09-2 – Contract **still** in work. Waiting on R. Battiston.

AMS\_02-Thermal\_CDR-17: Insert Test and its Applicability to Different Sizes of Inserts – M. Molina to deliver initial samples to G. Spexarth for testing at JSC by Oct 18. Samples from the actual flight material will be provided later.

AMS\_02-TTCS\_PDR-03: Evaporator Tail needs a Redesign – B. Sommer reviewed the design and reported problems with VC deflections. There were negative margins.

AMS\_02-PDS-PDR-07: Visual Inspection of the Weld and Fracture Analysis – B. Sommer has document – will review and get with Dr. Lo.

AMS\_02-TTCS\_PDR-09: TTCS Tube Routing – CLOSED – per e-mail from B. Sommer dated 10-20-2006.

Mag-Review-01: Measurement of Helium Depletion during a Quench – R. McMahon to provide a completion date for the Test Plan before the next tag-up.

Mag-Review-03: Current Lead Disconnect Design – R. McMahon to pulse S. Harrison for a completion date before the next tag-up.

Mag-Review-04: Thermal Cycling in the MATF – R. McMahon to provide a completion date for the Test Plan by the next tag-up.

Mag-Review-05: Measurement of Inter-coil Joint Resistance – Add to Magnet Test Plan. R. McMahon to provide a completion date for the Test Plan by the next tag-up.

Mag-Review-06: Redundancy of the Warm Helium System – R. Stafford Allen to provide rationale for using only one tank.

Mag-Review-09: Leak Testing – R. McMahon to send British Standard used by SM to ESCG (D. Rybicki) for comparison to the AVS Standard.